

JPRS-UST-86-004

14 FEBRUARY 1986

DTIC

USSR Report

SCIENCE AND TECHNOLOGY POLICY

TABLES OF CONTENTS

JPRS-UST-85-001, 7 FEBRUARY 1985-

JPRS-UST-85-017, 18 DECEMBER 1985

19980604 071

FBIS

FOREIGN BROADCAST INFORMATION SERVICE

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

NOTE

JPRS publications contain information primarily from foreign newspapers, periodicals and books, but also from news agency transmissions and broadcasts. Materials from foreign-language sources are translated; those from English-language sources are transcribed or reprinted, with the original phrasing and other characteristics retained.

Headlines, editorial reports, and material enclosed in brackets [] are supplied by JPRS. Processing indicators such as [Text] or [Excerpt] in the first line of each item, or following the last line of a brief, indicate how the original information was processed. Where no processing indicator is given, the information was summarized or extracted.

Unfamiliar names rendered phonetically or transliterated are enclosed in parentheses. Words or names preceded by a question mark and enclosed in parentheses were not clear in the original but have been supplied as appropriate in context. Other unattributed parenthetical notes within the body of an item originate with the source. Times within items are as given by source.

The contents of this publication in no way represent the policies, views or attitudes of the U.S. Government.

PROCUREMENT OF PUBLICATIONS

JPRS publications may be ordered from the National Technical Information Service (NTIS), Springfield, Virginia 22161. In ordering, it is recommended that the JPRS number, title, date and author, if applicable, of publication be cited.

Current JPRS publications are announced in Government Reports Announcements issued semimonthly by the NTIS, and are listed in the Monthly Catalog of U.S. Government Publications issued by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Correspondence pertaining to matters other than procurement may be addressed to Joint Publications Research Service, 1000 North Glebe Road, Arlington, Virginia 22201.

Soviet books and journal articles displaying a copyright notice are reproduced and sold by NTIS with permission of the copyright agency of the Soviet Union. Permission for further reproduction must be obtained from copyright owner.

JPRS-UST-85-001

7 February 1985

USSR Report

SCIENCE AND TECHNOLOGY POLICY

TABLE OF CONTENTS

JPRS-UST-84-001, 17 January 1984-

JPRS-UST-84-020, 13 December 1984

FBIS

FOREIGN BROADCAST INFORMATION SERVICE

27 February 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

Economic Mechanism of Integration of Science, Production (Yu. V. Lebedev; IZVESTIYA AKADEMII NAUK SSSR: SERIYA EKONOMICHESKAYA, No 5, Sep-Oct 84).....	1
Scientific, Technical Progress as Factor of Intensification of Economy (V. P. Loginov; EKONOMIKA I MATEMATICHESKIYE METODY, No 4, Jul-Aug 84).....	14
Contribution of Technical Community to Scientific, Technical Progress (V. Aleksyev; KOMMUNIST SOVETSKOY LATVII, No 8, Aug 84).....	27
Coordination of Regional Management of Scientific, Technical Activity (V. Kvint; PRAVDA, 22 Oct 84).....	35
Contribution of Social Sciences to Scientific, Technical Progress (V. Gerasimov, S. Kolesnikov; PRAVDA, 24 Sep 84).....	38
Tasks of Medical, Biological Sciences Department of Medical Academy (A. V. Smol'yannikov; VESTNIK AKADEMII MEDITSINSKIKH NAUK SSSR, No 10, Oct 84).....	43
Acceleration of Scientific, Technical Progress in Moldavia (A. Andriyesh; KOMMUNIST MOLDAVII, No 7, Jul 84).....	48
International Geological Congress, Soviet Geological Achievements (Yevgeniy Aleksandrovich Kozlovskiy Interview; NEDELYA, No 31, 30 Jul-5 Aug 84).....	53
Dissemination of Information on Advanced Know-How (V. Medvedev; SOVETSKAYA BELORUSSIYA, 31 Aug 84).....	61

Effectiveness of Research Work Depends on Results, Not Degrees--Karpov System (V. Syritskiy; MOSKOVSKAYA PRAVDA, 27 Jul 84).....	66
Local Institutes, Enterprises Urged To Expand Patent Services (Ye. Temchin; IZVESTIYA, 7 Jul 84).....	69
Intensification, Increase of Efficiency of Production (V. Zharikov; SOVETSKAYA BELORUSSIYA, 28 Aug 84),.....	73
New Leningrad Members of USSR Academy of Sciences Profiled (LENINGRADSKAYA PRAVDA, No 6 (21248), 8 Jan 85; LENINGRADSKAYA PRAVDA, No 7 (21249), 9 Jan 85),.....	78
Govyryn, Gorynin, Kondrat'yev, Solomenko and Ugolev New Members Bonch-Bruyevich, Golant, Miroshnikov and Spasskiy Profiled	
Awarding of 1984 USSR State Prizes in Science, Technology (PRAVDA, 7 Nov 84).....	82

28 February 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

Regional Management of Scientific, Technical Progress (N. G. Chumachenko, N. N. Yermoshenko; IZVESTIYA AKADEMII NAUK SSSR: SERIYA EKONOMICHESKAYA, No 5, Sep-Oct 84).....	1
Socialist Competition of Scientific Collectives (Ye. A. Anufriyev, V. I. Speranskiy; NAUCHNYY KOMMUNIZM, No 2, Mar-Apr 84).....	17
Scientific, Technical Progress, Structure of Social Production (D. A. Chernikov; EKONOMIKA I MATEMATICHESKIYE METODY, No 4, Jul-Aug 84).....	23
Problems of Introducing Innovations (V. Mukhin; PRAVDA, 10 Sep 84).....	37
Inability To Use Money From Contract Work of Past Years Examined (V. Nevel'skiy; IZVESTIYA, 25 Aug 84).....	41
Demands on Associates of Donetsk Ferrous Metallurgy Institute (F. Dolzhenkov; IZVESTIYA, 2 Sep 84).....	45
Vacancies for Academicians, Corresponding Members Announced (A. P. Aleksandrov, G. K. Skryabin; IZVESTIYA, 14 Sep 84).....	49
Development of Technical Creativity of Masses (EKONOMICHESKAYA GAZETA, No 37, Sep 84).....	54
General Achievements Inventions, Technical Progress	
Technical Progress, Standards, Product Quality (EKONOMICHESKAYA GAZETA, No 35, Aug 84).....	60
Quality Control Standards, Quality, Efficiency, by G. D. Kolmogorov	

Work at Tomsk Institute of High Current Electronics (Gennadiy Andreyevich Mesyats Interview; IZVESTIYA, 26 Aug 84).....	67
Contribution of Siberian Department to Scientific, Technical Progress (V. Koptug; IZVESTIYA, 17 Sep 84).....	71
Kazakh Science, Industry Cooperate To Introduce Innovations (A. Kunayev; IZVESTIYA, 18 Aug 84).....	76
Latvian Party Chief on Activity of Inventors, Efficiency Experts (Erik Yanovich Aushkap Interview; IZOBRETATEL' I RATSIONALIZATOR, No 10, Oct 84).....	80
Problems of Production Automation (L. Volchkevich; SOVETSKAYA BELORUSSIYA, 16 Oct 84).....	84
Second Plenum of All-Union Council of Scientific, Technical Societies (KUZNECHNO-SHTAMPOVOCHNOYE PROIZVODSTVO, No 2, Feb 84).....	88
Organizational Structure of Department of Chief Technologist (A. M. Voychinskiy; MASHINOSTROITEL', No 8, Aug 84).....	94
Kaluga Oblast Plant Hydraulic Motor Production Delayed (O. Artynskiy; EKONOMICHESKAYA GAZETA, No 35, Aug 84).....	98
Local Carpathian Ukraine Efforts Succeed in Furthering Scientific- Technical Progress (I. Lyakhov; RABOCHAYA GAZETA, 17 Jul 84).....	101
Works Submitted for 1984 Belorussian State Prizes in Science, Technology (SEL'SKAYA GAZETA, 8 Sep 84).....	106
Book Examines Acceleration of Scientific, Technical Progress (V. Golikov, L. Lyakh; EKONOMIKA SOVETSKOY UKRAINY, No 4, Apr 84).....	109

2 May 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Instructions on Organization of Work on Developing New Equipment (EKONOMICHESKAYA GAZETA, No 41, Oct 84).....	1
Planning of Scientific, Technical Development of Enterprises (L. E. Akhvlediani, et al.; IZVESTIYA AKADEMII NAUK SSSR; SERIYA EKONOMICHESKAYA, No 6, Nov-Dec 84).....	6
Analysis, Prediction of Development of Basic Science (A. Ye. Varshavskiy; IZVESTIYA AKADEMII NAUK SSSR; SERIYA EKONOMICHESKAYA, No 6, Nov-Dec 84).....	22
Proportionality in Scientific, Technical Progress (F. Rybakov; EKONOMICHESKIYE NAUKI, No 9, Sep 84).....	43
Development of Biolar Scientific Production Association (Vladimir Petrovich Zamakh Interview; KOMMUNIST SOVETSKOY LATVII, No 12, Dec 84).....	52

BUDGET AND FINANCE

Stimulation of Scientific, Technical Progress in Nonferrous Metallurgy (K. Kazhmuratov, P. K. Uspanov; VESTNIK AKADEMII NAUK KAZAKHSKOY SSR, No 11, Nov 84).....	60
---	----

FACILITIES AND MANPOWER

Forecasting of Personnel Potential of Science (L. E. Mindeli, et al.; IZVESTIYA AKADEMII NAUK SSSR; SERIYA EKONOMICHESKAYA, No 6, Nov-Dec 84).....	68
--	----

AUTOMATION AND INFORMATION POLICY

Computer Networks, Communications Systems (R. Tavast; SOVETSKAYA ESTONIYA, 2 Oct 84).....	87
--	----

PATENTS AND INVENTIONS

Use of Patent Service in Development of New Machines (Ye. Temchin, I. S. Nayashkov; TRUD, 21 Jun 84).....	90
Awarding of 1984 Komosomol Prizes in Science, Technology (KOMSOMOL'SKAYA PRAVDA, 28 Oct 84).....	94

INDUSTRIAL AND MILITARY APPLICATION

Ukrainian 'Auctions' of New Technological Processes (V. Poturayev; TRUD, 24 May 84).....	100
---	-----

INTERNATIONAL S&T RELATIONS

Academician Paton Calls for More Cooperation in S&T (B. Paton; IZVESTIYA, 13 Nov 84).....	104
--	-----

SOCIO-POLITICAL FACTORS

Social Activeness of Scientists (A. Favorskaya; SOVETSKAYA ESTONIYA, 20 Oct 84).....	110
---	-----

GENERAL

Goals, Problems of Science in 21st Century (NEDELYA, No 43, 22-28 Oct 84).....	114
Factors Behind Scientific, Technical Progress (V. Zyuzin; SOVETSKAYA ROSSIYA, 13 Jul 84).....	121
Problems, Strategies of Introducing New Equipment (M. Bashin; SOVETSKAYA ROSSIYA, 18 Sep 84).....	125
Achievements, Problems of Technical Development in Uzbek SSR (PRAVDA VOSTOKA, 20 Oct 84).....	129
Supply of Scientific Instruments (M. L. Aleksandrov; LENINGRADSKAYA PRAVDA, 4 Nov 84)....	132
CPSU Scientific, Technical Policy (V. Bondarenko; KOMMUNIST VOORUZHENNYKH SIL, No 19, Oct 84).....	136

3 May 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Formulation, Implementation of Regional Scientific, Technical Programs (N. Yermoshenko; EKONOMIKA SOVETSKOY UKRAINY, No 8, Aug 84) ...	1
Comprehensive Programs of Ivano-Frankovsk Oblast (I. Postoronko; PRAVDA UKRAINY, 7 Sep 84)	14
Problems of Tool Production, Supply, Quality, Reliability (B. Levin; SOVETSKAYA ESTONIYA, 4 Oct 84)	17
Kazakh Goal Programs of Scientific, Technical Progress (K. Dashkov; NARODNOYE KHOZYAYSTVO KAZAKHSTANA, No 9, Sep 84)	20
Scientific Production Associations of Industry (EKONOMIKA SOVETSKOY UKRAINY, No 10, Oct 84)	30
Means of Development, by S. Pokropivnyy, et al.	30
Ratios, Efficiency, Prospects, by L. Minin	41
Educational Scientific Production Associations, by V. Dedekayev	50

INTERNATIONAL S&T RELATIONS

U.S. Restrictions on Exports of Technology (I. Leonidov; ZARUBEZHNOYE VOYENNOYE OBOZRENIYE, No 10, Oct 84)	56
---	----

SOCIO-POLITICAL FACTORS

Social Factors of Scientific, Technical Progress in Industry (S. Vovkanich; EKONOMIKA SOVETSKOY UKRAINY, No 8, Aug 85)	62
---	----

GENERAL

Ukrainian Academy of Sciences President on Scientific, Technical Progress (B. Ye. Paton; KOMMUNIST UKRAINY, No 10, Oct 84)	74
--	----

Developments in Kazakh Medicine, Public Health (M. I. Dauletbakova; ZDRAVOOKHRANENIYE KAZAKHSTANA, No 8, Aug 84)	89
Measures for Accelerating S&T in Lithuania Discussed (A. Brazauskas; KOMMUNIST, No 8, Aug 84)	95
Figures on Ukrainian Scientific, Technical Progress (EKONOMIKA SOVETSKOY UKRAINY, No 8, Aug 84)	103
Ukrainian Scientific, Technical Societies Contribute to Progress (V. Lola; EKONOMIKA SOVETSKOY UKRAINY, No 8, Aug 84)	107

6 May 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Planning, Stimulation of Development, Production of New Equipment (PRAVDA, 4 Dec 84).....	1
Nontraditional Methods of Developing Science, Technology (I.I. Nesterov; KOMSOMOL'SKAYA PRAVDA, 20 Nov 84).....	6
Ukrainian Party Seminar on Scientific, Technical Programs (PRAVDA UKRAINY, 19 Dec 84).....	11
Technical Progress at Novgorod Kompleks Production Association (Anatoliy Aleksandrovich Nesterov; EKONOMICHESKAYA GAZETA, No 49, Dec 84).....	15
Regional Management of Scientific, Technical Progress (B. Burkinskiy; SOTSIALISTICHESKAYA INDUSTRIYA, 9 Jan 85).....	19
Organization of Labor at Kutaisi Special Design Bureau (Archil Serapionovich Dadunashvili; EKONOMICHESKAYA GAZETA, No 48, Nov 84).....	23
Development of Scientific, Technical, Socioeconomic Forecasting (I. Bestuzhev-Lada; PRAVDA, 15 Nov 84).....	28
Production Intensification, CPSU Scientific, Technical Policy (B. Shcherbitskiy, V. Tarasovich; EKONOMIKA SOVETSKOY UKRAINY, No 10, Oct 84).....	31
Increase of Efficiency in Management of Scientific, Technical Progress (B.G. Ivanovskiy; IZVESTIYA AKADEMII NAUK SSSR, No 5, Sep-Oct 84).....	43

Goal Program Management of Scientific, Technical Development (N. I. Komkov; IZVESTIYA AKADEMII NAUK SSSR: SERIYA EKONOMICHESKAYA, No 6, Nov-Dec 84).....	57
Ukrainian Conference of Planning, Management of Machine Building (S.I. Radomskiy; TEKHNLOGIYA I ORGANIZATSIYA PROIZVODSTVA (PERIODICHESKIY NAUCHNOPROIZVODSTVENNYY SBORNIK), No 2, 1984).....	66
Coordinating Council for Standardization in Machine Building (STANDARTY I KACHESTVO, No 10, Oct 84).....	68
BUDGET AND FINANCE	
Calculation of Effectiveness of Expenditures on Science (Z. Salokhiddinov; EKONOMIKA I ZHIZN', No 9, Sep 84).....	70
Economic Measurements in Management of Scientific, Technical Progress (D.S. L'vov; EKONOMIKA I MATEMATICHESKIYE METODY, No 4, Jul-Aug 84).....	75
FACILITIES AND MANPOWER	
Contribution of State Prize Winners To Production Intensification (V. Yelyutin; IZVESTIYA, 9 Nov 84).....	93
Election of New Members of USSR Academy of Sciences (A.P. Aleksandrov, G.K. Skryabin; IZVESTIYA, 29 Dec 84)...	97
AUTOMATION AND INFORMATION POLICY	
United Intersectorial Information Center Urged (SOVETSKAYA ROSSIYA, 12 Dec 84).....	103
INTERNATIONAL S&T RELATIONS	
CEMA Deputy Secretary on Scientific, Technical Cooperation (Ladislav Supka Interview; EKONOMICHESKOYE SOTRUDNICHESTVO STRAN-CHLENOV SEV, No 9, Sep 84).....	106
GDR, CSSR Officials on Cooperation in Science, Technology (EKONOMICHESKOYE SOTRUDNICHESTVO STRAN-CHLENOV SEV, No 9, Sep 84).....	112
Editorial Statement	112
Stubenrauch Responses, Klaus Stubenrauch Interview	113
Lubicek Responses, Ladislav Lubicek Interview	120

SOCIO-POLITICAL FACTORS

Social Consequences of Automation Under Socialism, Capitalism (P. Gurevich; SOTSIALISTICHESKAYA INDUSTRIYA, 26 Dec 84)...	128
--	-----

GENERAL

Improvement of Management of Scientific, Technical Progress (Ya. Kolotyrkin; SOVETSKAYA ROSSIYA, 25 Nov 84).....	131
Tasks of Science, Technology in Fulfillment of 1985 State Plan (PRAVDA, 19 Dec 84).....	136
Increase of Yield of Sectorial Science (A. Dzhanoyan; SOTSIALISTICHESKAYA INDUSTRIYA, 5 Jan 85)...	139
Conference of Party Executives, Managers of Agricultural Machinery Plants (PRAVDA UKRAINY, 20 Nov 84).....	143
Donetsk Seminar on Party Influence on Work of Scientific Collectives (PRAVDA UKRAINY, 23 Dec 84).....	145
Academician Paton on Achievements of Ukrainian SSR State Prize Winners (B. Ye. Paton; PRAVDA UKRAINY, 25 Dec 84).....	147

7 May 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Planning New Equipment on Basis of Enterprise Reference Models (O. Lordkipanidze; PLANOVOYE KHOZYAYSTVO, No 9, Sep 84) ..	1
Organization of Labor at Research Institutes, Design Bureaus (V. Moskvina; SOTSIALISTICHESKIY TRUD, No 11, Nov 84)	9
Technological Development at Novokramatorskiy Machine Building Plant (G. Dobrov, et al.; EKONOMIKA SOVETSKOY UKRAINY, No 12, Dec 84)	19
Planning, Management of Technological Progress (B. Rayzberg; PLANOVOYE KHOZYAYSTVO, No 1, Jan 85)	28
Introduction of Siberian Department's Developments in Industry (B. Konovalov; IZVESTIYA, various dates)	38

TRAINING

Use of Games in Developing Decision-Making Abilities (Ye. Manucharova, M. Khromchenko; IZVESTIYA, various dates)	52
---	----

GENERAL

Development of Academic Research, Introduction of Results (V. Kudashov; NARODNOYE KHOZYAYSTVO BELORUSSII, No 12, Dec 84)	64
Better Determination of Economic Effectiveness of New Equipment (D. Popov; PLANOVOYE KHOZYAYSTVO, No 1, Jan 85)	72
Recommendations on Acceleration of Scientific, Technical Progress (KOMMUNIST SOVETSKOY LATVII, No 1, Jan 85)	78

Academician Marchuk on Intensification of Economy (G. Marchuk; PARTIYNAYA ZHIZN', No 1, Jan 85)	91
Book on Stimulating Progress in Machine Building (P. Verba; EKONOMIKA SOVETSKOY UKRAINY, No 9, Sep 84) ...	101

8 May 1985

USSR REPORT SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Role of Innovators in Mechanizing Manual Labor (Ye. Tyurin; TRUD, 30 Jun 84).....	1
Increase of Technical Level of Production in Belorussian Industry (B. Kobrikov; NARODNOYE KHOZYAYSTVO BELORUSSII, No 8, Aug 84).....	5
Contractual Relations in Development of New Equipment (M. Zolotarev, V. Lebedev; KHOZYAYSTVO I PRAVO, No 9, Sep 84).....	19
Estonian Council for Coordination of Sciences (Raymo Nikolayevich Pullat Interview; SOVETSKAYA ESTONIYA, 25 Dec 84).....	24
Structural Development of Scientific Production Associations (A. Shokhin; KHOZYAYSTVO I PRAVO, No 1, Jan 85).....	28
Ineffective Reorganization at Nemchinovka Agricultural Institute (E. Fedorova; SOVETSKAYA ROSSIYA, 9 Jan 85).....	35
Problems, Means of Introducing New Ideas in Industry (Vladimir Stepanovich Shpak Interview; SOVETSKAYA ROSSIYA, 18 Jan 85).....	40
Departmental Barriers To Introduction of Developments (Nikolay Vasil'yevich Cherskiy Interview; SOVETSKAYA ROSSIYA, 2 Feb 85).....	45
Engineering Centers for Implementing New Scientific Ideas (B. Paton; PRAVDA, 3 Jan 84).....	49

Problems in Finding Producers of Technical Innovations (I. Markhisan; IZVESTIYA, 22 Jan 85).....	54
BUDGET AND FINANCE	
Incentives for Developers of New Processing Methods (V. V. Starovit, A. S. Kolesnikov; IZVESTIYA AKADEMII NAUK SSSR; SERIYA EKONOMICHESKAYA, No 6, Nov-Dec 84).....	59
AUTOMATION AND INFORMATION POLICY	
Organization of Scientific, Technical Information Services (O. Glazov; LENINSKOYE ZNAMYA, 14 Jul 84).....	71
PATENTS AND INVENTIONS	
Patent Information System (Oleg Valerianovich Kedrovskiy Interview; SOTSIALISTICHES- KAYA INDUSTRIYA, 19 Sep 84).....	75
GENERAL	
Academician Ovchinnikov on Future of Bioorganic Chemistry (Yuriy Anatol'yevich Ovchinnikov Interview; IZVESTIYA, 4 Jan 85).....	78
Technical Literature Publishing Plans for 1985 (V. Yezhkov; KNIZHNOYE OBOZRENIYE, No 1, 4 Jan 85).....	84
General Laws of Development of Technology (T. Lekhtla; SOVETSKAYA ESTONIYA, 2 Nov 84).....	89
Role of Innovators in Success of 11th Five-Year Plan (PRAVDA, 18 Jan 85).....	94
Academician Blokhin on Development of Medical Academy (N. Blokhin; PRAVDA, 3 Nov 84).....	97
Ukrainian Party Endorsement of Republic Engineering Centers (PRAVDA UKRAINY, 17 Jan 85).....	99
Vacancies in Ukrainian SSR Academy of Sciences Announced (PRAVDA UKRAINY, 19 Jan 85).....	101
Aliyev Addresses Medical Science Academy (PRAVDA, 15 Dec 84).....	104
Briefs	
New Journal	109
Ukrainian Engineering Centers	109
Latvian Scientific Cooperation	109

4 June 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Forecasting Scientific and Technical Progress (G. A. Krayukhin; EKONOMICHESKIYE PROBLEMY NAUCHNO- TEKHNICHESKOGO PROGRESSA, 1984).....	1
Forecasting of Belorussian Scientific, Technical Progress (G. Nesvetaylov, V. Osipov; NARODNOYE KHOZYAYSTVO BELORUSSII, No 2, Feb 85).....	14
Coordination of Kazakh Medical Research (VESTNIK AKADEMII NAUK KAZAKHSKOY SSR, No 12, Dec 84)....	21

BUDGET AND FINANCE

Financing of Sectorial Science, Technology (M. L. Bashin; FINANSY SSSR, No 2, Feb 85).....	23
Financing of Sectorial Technological Institutes (Yu. I. Berliner; FINANSY SSSR, No 10, Oct 84).....	30
Effectiveness of Expenditures on Science (S. V. Onyshko; FINANSY SSSR, No 2, Feb 85).....	39

TRAINING

Scientific Cadre Preparation at Tallinn Polytechnic Institute (Ilmar Kleis; RAHVA HAAL, 27 Feb 85).....	47
--	----

AUTOMATION AND INFORMATION POLICY

Automation of Research at Kazakh Academy of Sciences (VESTNIK AKADEMII NAUK KAZAKHSKOY SSR, No 12, Dec 84).....	50
--	----

Gomel Scientific, Technical Information Center (I. I. Kulikovskiy; NARODNOYE KHOZYAYSTVO BELORUSSII, No 2, Feb 85).....	52
INTERNATIONAL S&T RELATIONS	
Tashkent Hosts Bloc Computer Conference (PRAVDA VOSTOKA, 13, 15 Mar 85).....	56
Advanced Technology Seen as Area of US-Japan-Western Europe Rivalry (Cross-reference).....	57
GENERAL	
Levels, Disciplines of Science (Pavel V. Smirnov; OBSHCHESTVENNYYE NAUKI, No 6, 1984)....	58
Interaction of Science, Technology, Society (V. A. Vinokurov, B. S. Mitin; VOPROSY FILOSOFII, No 1, Jan 85).....	68
Political Economic Analysis of Technical Progress (P. Ignatovskiy; PLANOVOYE KHOZYAYSTVO, No 3, Mar 85).....	82
Kazakh Earth Sciences Achievements (VESTNIK AKADEMII NAUK KAZAKHSKOY SSR, No 12, Dec 84).....	96

1 July 1985

USSR REPORT SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

- Academician Paton on Ukrainian Comprehensive Program of Progress
(B. Ye. Paton; EKONOMIKA SOVETSKOY UKRAINY, No 2, Feb 85)... 1
- Contribution of Ukrainian Scientists to Scientific and
Technological Progress
(PRAVDA UKRAINY, 31 Mar 85)..... 8
- Research Coordination by Samarkand Scientific Center
(K. Saidov; EKONOMIKA I ZHIZN', No 2, Feb 85)..... 21
- Session of Union Science Coordinating Council, Kazakh Tasks
(VESTNIK AKADEMII NAUK KAZAKHSKOY SSR, No 1, Jan 85).....25

AUTOMATION AND INFORMATION POLICY

- Lack of Programs for Microcalculators
(S. Vaynshteyn; MEDITSINSKAYA GAZETA, 27 Mar 85)..... 28
- Service for Users of Kazakh Collective-Use Computer Center
(A. D. Aliyev, V. A. Tsay; VESTNIK AKADEMII NAUK
KAZAKHSKOY SSR, No 1, Jan 85)..... 29
- Moscow TV Visits Computer Center in Kalinin
(Z. Bukhalov; Moscow Television Service, 16 May 85)..... 34

Republic Automated Information System for Social Sciences (A. Berzin'sh, V. Khisamutdinov; IZVESTIYA AKADEMII NAUK LATVIYSKOY SSR, No 1, Jan 85).....	35
INTERNATIONAL S&T RELATIONS	
Polish-Belorussian Agreement on Scientific Cooperation (SOVETSKAYA BELORUSSIYA, 21 Feb 85).....	41
GENERAL	
Concept, Functions, Control of Innovation System (V. L. Tambovtsev, M. A. Marushkina; VESTNIK MOSKOVSKOGO UNIVERSITETA, SERIYA 6: EKONOMIKA, No 1, Jan 85).....	42
Scientific, Technical Progress in Light of Lenin's Ideas (V. Pokrovskiy; EKONOMICHESKIYE NAUKI, No 3, Mar 85).....	52
PRAVDA Readers on Encouraging Technical Progress (O. Mikheyev; PRAVDA, 3 Apr 85).....	64
Scientific Activity in Ukrainian Higher Education (V. I. Kostyuk, N. N. Sakhno; VESTNIK VYSSHEY SHKOLY, No 2, Feb 85).....	65
Economic Stimuli To Increase Production Level, Product Quality (N. Belyy; EKONOMIKA I ZHIZN', No 1, Jan 85).....	74
Effectiveness of Expenditures on Introducing New Equipment (S. Trilevich; EKONOMIKA SOVETSKOY UKRAINY, No 2, Feb 85)..	82
Socialist Competition in Science, Technology (R. G. Yanovskiy; EKONOMICHESKAYA GAZETA, No 10, Mar 85)..	85
Gains in Medicine Reported to Medical Academy Presidium (Ye. K. Ponomar'; VESTNIK AKADEMII MEDITSINSKIKH NAUK SSSR, No 1, Jan 85).....	87
Update by Siberian Scientists on Regional Development of Resources (TRUD, 28 Mar 85).....	95
Economic Stimuli of Technical Progress, Product Quality (EKONOMICHESKAYA GAZETA, No 6, Feb 85).....	104
BIOGRAPHICAL INFORMATION	
Nikolay Ivanovich Khitarov Obituary (IZVESTIYA, 8 Feb 85).....	126

8 July 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Results of Experiment at Tallinn Electric Equipment Association (V. Miroshnichenko; SOVETSKAYA ESTONIYA, 8 Feb 85).....	1
Science Called Upon To Spur Productivity (A. Tankhel'son; PRAVDA VOSTOKA, 22 Mar 85).....	8
Ukrainian Goal Programs of Scientific, Technical Progress (PRAVDA UKRAINY, 21 Feb 85).....	14
Economics of Organization of Scientific, Technical Progress (Valeriy Leonidovich Makarov Interview; NEDELYA, 28 Jan-5 Feb 85).....	16

FACILITIES AND MANPOWER

Medical Academy's General Assembly Notes Expansion of Facilities (MEDITSINSKAYA GAZETA, No 29, 10 Apr 85).....	24
Evaluation of Current Status of Machine-Building Industry in Georgian SSR (Akakiy Bokuchava; ZARYA VOSTOKA, 16 Mar 85).....	25
Academician Cites UkSSR Academy of Sciences Achievements (K. Sytnik; POD ZNAMENEM LENINIZMA, No 5, Mar 85).....	29

AUTOMATION AND INFORMATION POLICY

Coordinated Approach To Use of Automation and Robotics (A. Kamenev; IZVESTIYA, 2 Mar 85).....	35
Need To Extend the Economic Experiment Into the R&D Sector (NTR: PROBLEMY I RESHENIYA, 19 Feb 85).....	39

Plagiarism, Copyright Protection (A. A. Lopatenok; MEDITSINSKAYA GAZETA, 11 Jan 85).....	41
PATENTS AND INVENTIONS	
Problems of Development of USSR Patent Service (I. S. Nayashkov Interview; SOVETSKAYA ROSSIYA, 12 Apr 85)..	45
Problems With Follow-Through on Inventions and Innovations (K. Taksir; SOTSIALISTICHESKAYA INDUSTRIYA, 2 Mar 85).....	48
SOCIO-POLITICAL FACTORS	
Social and Methodological Problems of Scientific and Technological Progress (M. Rubinshteyn; SOTSIALISTICHESKIY TRUD, No 2, Feb 85).....	52
GENERAL	
Discussion Topics, Officer Elections at Medical Academy's Assembly (MEDITSINSKAYA GAZETA, No 29, 10 Apr 85).....	56
Estonian Academician Tamm on Work, Education, Activity as Deputy (Boris Georgiyevich Tamm Interview; SOVETSKAYA ESTONIYA, 23 Jan 85).....	57
Crisis of Individualism in Scientific Schools (Boris Khorev; LITERATURNAYA GAZETA, No 12, 20 Mar 85).....	60
Labor Intensiveness Control Can Accelerate S&T Progress (B. Avrov, L. Popov; SOTSIALISTICHESKIY TRUD, No 2, Feb 85).....	66
How Science Can Have a Stronger Impact on Technical Progress (P. I. Yashcheritsyn Interview; SOVETSKAYA BELORUSSIYA, 22 Mar 85).....	78
Candidates for Members of Ukrainian Academy of Sciences (PRAVDA UKRAINY, 10 Mar 85).....	83
General Assembly of Lithuanian Academy of Sciences Meets (SOVETSKAYA LITVA, 28 Feb 85).....	94
Conference on Achievements, Development of Surgery (M. Sakhnovskaya; MEDITSINSKAYA GAZETA, 11 Jan 85).....	97
List of Papers Submitted for Estonian State Prizes (G. Turopok; SOVETSKAYA ESTONIYA, 2 Apr 85).....	100

Speedier Practical Use of Innovations Discussed (N. Borisevich; IZVESTIYA, 21 Mar 85).....	105
Introduction of Innovations to Industry Termed a Key Task (A. Ramanauskas; SOVETSKAYA LITVA, 3 Mar 85).....	109

20 August 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Introduction of Results of Dissertations on Pharmaceuticals (A. I. Tentsova, et al.; FARMATSIYA, No 1, Jan-Feb 85) ..	1
Registration of Introduction of Scientific Achievements (S. Ivanyushin; KHOZYAYSTVO I PRAVO, No 3, Mar 85)	12
Organization of Research in Pharmaceuticals (A. I. Tentsova, et al.; FARMATSIYA, No 6, Nov-Dec 84) ..	16
Work of Ukrainian Board of Scientific Economic Society (G. Dzis'; EKONOMIKA SOVETSKOY UKRAINY, No 4, Apr 85) ...	22
Plenum of Ukrainian Board of Economic Science Society (L. Omel'chenko; EKONOMIKA SOVETSKOY UKRAINY, No 4, Apr 85)	31

BUDGET AND FINANCE

Regulation of Financing of Scientific, Technical Developments (B. Mints; KHOZYAYSTVO I PRAVO, No 4, Apr 85)	33
Problems of Stimulating Scientific, Technical Development (M. V. Romanovskiy; FINANSY SSSR, No 4, Apr 85)	42
Use of Funds for Scientific, Technical Development (Ye. A. Stoyanov; FINANSY SSSR, No 4, Apr 85)	53

FACILITIES AND MANPOWER

New Latvian Development Firm Described (Ye. Vostrukhov, A. Ivakhnov; IZVESTIYA, 30 Apr 85)	59
Integrated Science-Production Organization in Lithuanian Viewed (A. Zhukauskas; SOTSIALISTICHESKAYA INDUSTRIYA, 18 May 85)	63

More Effective Use of Young Scientists Urged (S. Kolesnikov; KOMSOMOL'SKAYA PRAVDA, 27 Apr 85)	67
TRAINING AND EDUCATION	
Role of Belorussian Vuzes in Science, Economy Traced (B. Kaledin; SOVETSKAYA BELORUSSIYA, 21 Apr 85)	70
Organization of Research on Secondary Specialized Education (A. Ya. Savelyev; SREDNEYE SPETSIALNOYE OBRAZOVANIYE, No 3, Mar 85)	74
Research Problems in Higher, Secondary Specialized Education (SREDNEYE SPETSIALNOYE OBRZOVANIYE, No 3, Mar 85)	81
Progress, Plans of New Moscow Laser Institute Described (V. Yevseyev; PRAVDA, 30 May 85)	88
AUTOMATION AND INFORMATION POLICY	
Evaluation of Quality of Technical Decisions in Designing (A. V. Bazhenov; STANDARTY I KACHESTVO, No 3, Mar 85) ...	90
Academician Frolov Reviews Future Use of Rōbots, Automated Plants (K. V. Frolov Interview; NEDELYA, No 16, 15-21 Apr 85) ..	99
INDUSTRIAL AND MILITARY APPLICATION	
Standardization in Small-Series, Custom Production (A. L. Vasil'yev; STANDARTY I KACHESTVO, No 3, Mar 85) ..	106
Polimer Specialist Interviewed on New Products, Applications (N. Yenikolopov Interview; SOTSIALISTICHESKAYA INDUSTRIYA, 14 Apr 85)	114
PATENTS AND INVENTIONS	
Development of High-Precision Laser Clock Traced (Ye. Solomenko; PRAVDA, 27 May 85)	117
Better Use of Technical, Patent Information Urged (L. Shchelkanovtsev; EKONOMICHESKAYA GAZETA, No 22, May 85)	119
Greater Role for Invention- in Increasing Efficiency Urged (Editorial; SOTSIALISTICHESKAYA INDUSTRIYA, 24 May 85) ..	121
CONFERENCES AND EXHIBITION	
Moscow Meeting on Introducing Science Into Production (SOTSIALISTICHESKAYA INDUSTRIYA, 21 Apr 85)	124

GENERAL

Academician Koptug Interviewed on Siberian Science (V. A. Koptug Interview; TRUD, 21 Apr 85)	129
Effectiveness of Integrated Research--Development Traced (Yu. Pozhela; PRAVDA, 26 May 85)	132
Academician Describes Achievements of Estonian Science (S. Kalabin; SOVETSKAYA ESTONIYA, 20 Apr 85)	135
Advances of Moldavian Agricultural Science Reviewed (SOVETSKAYA MOLDAVIYA, 20 Apr 85)	137

22 August 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Tactics, Strategy in Choosing Research Themes (G.V. Lisichkin; KHIMIYA I ZHIZN, No 3, Mar 85).....	1
Interconnection of Academic, Sectorial, Plant Science (G. Lakhtin; SOTSIALISTICHESKIY TRUD, No 3, Mar 85).....	11
Management of Innovation Process Under Economic Intensification (B.D. Motorygin; EKONOMIKA I MATEMATICHESKIYE METODY, Vol 21, No 2, Mar-Apr 85).....	23
Better Organization of Research, Development, Designing (K. Puzynya; IZVESTIYA, 8 Apr 85).....	37
Ukrainian VUZ's Enlisted To Set Up New Research Programs (I. Stupnitskiy; EKONOMICHESKIYE NAUKI, No 4, Apr 85).....	41

BUDGET AND FINANCE

Material Stimuli of Scientific, Technical Progress (M. Rubenshteyn; SOTSIALISTICHESKIY TRUD, No 3, Mar 85)...	45
Economic Stimuli of Scientific, Technical Progress (Yu. Yakovets; SOTSIALISTICHESKIY TRUD, No 3, Mar 85).....	55
Stimulation of Collectives for Introducing Innovations (P. Bunich; PRAVDA, 19 Apr 85).....	68

TRAINING AND EDUCATION

Creative Work of Students of Secondary Specialized Schools (BYULLETEN MINISTERSTVA VYSSHEGO I SREDNEGO SPETSIALNOGO OBRAZOVANIYA SSSR, No 3, Mar 85).....	72
Ministry Order	72
Report on Ukraine	76

AUTOMATION AND INFORMATION POLICY

Patent Service of All-Union Electrical Engineering Institute (S. Osminina; IZVESTIYA, 16 Apr 85).....	83
--	----

CONFERENCES AND EXPOSITIONS

General Meeting of Belorussian Science Academy Notes Scientists' Contribution to Five-Year Plan (SOVETSKAYA BELORUSSIYA, 23 Mar 85).....	86
Kazakh Academy of Sciences Meeting Discusses Science, Technology Advances (KAZAKHSTANSKAYA PRAVDA, 12 Apr 85).....	91
Uzbek Meeting Discusses Need for Effective Scientific Research (PRAVDA VOSTOKA, 26 Mar 85).....	97

AWARDS AND PRIZES

Nominations for 1985 USSR State Prizes in Science, Technology (IZVESTIYA, 4 May 85).....	100
Nominations for Lithuanian SSR State Prizes in Science, Technology (SOVETSKAYA LITVA, 17 Apr 85).....	116

GENERAL

Table of Contents: Economic Sciences No. 4, April 1985 (EKONOMICHESKIYE NAUKI, No 4, Apr 85).....	119
Purin Speech on Activity of Latvian Academy of Sciences (B.A. Purin; IZVESTIYA AKADEMII NAUK LATVIYSKOY SSR, No 3, Mar 85).....	122
Indicators for Measuring Scientific, Technical Progress (G.A. Lakhtin; EKONOMIKA I MATEMATICHESKIYE METODY, No 2, Mar-Apr 85).....	131
Economic Impact, Technical, Economic Level of Innovations (V.L. Makarov; EKONOMIKA I MATEMATICHESKIYE METODY, No 2, Mar-Apr 85).....	143

25 September 1985

USSR REPORT SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

- Problems, Goals of Uzbek Scientific, Technical Progress
(V. Dubov; EKONOMIKA I ZHIZN, No 4, Apr 85)..... 1
- Coordination of Acceleration of Scientific, Technical Progress
(Moscow Domestic Service, 19 Jun 85)..... 7
- Book on Planning of Scientific, Technical Progress
(L. K. Semenov; OBNCHESTVENNYE NAUKI V SSSR, SERIYA 2:
EKONOMIKA (REFERATIVNYY ZHURNAL, No 1, Jan-Feb 85)..... 11

BUDGET AND FINANCE

- Resource Utilization at Uzbek Scientific Institutions
(T. Khankhodzhayev; EKONOMIKA I ZHIZN, No 4, Apr 85)..... 15

AUTOMATION AND INFORMATION POLICY

- Computer-Aided Designed, Engineering, Preparation of Production
(Yu. I. Topcheyev; VESTNIK VYSSHEY SHKOLY, No 5, May 85).... 20
- State System of Industrial Instruments, Automation Equipment
(V. P. Minayev, et al.; STANDARTY I KACHESTVO, No 1,
Jun 85)..... 25
- New Scientific-Technical Bulletin Published
(Moscow Television Service, 9 Jun 85)..... 35
- Problems of Automation in Kazakh Industry
(D. Mukanov; NARODNOYE KHOZYAYSTVO KAZAKHSTANA, No 4,
Apr 85)..... 36

TRAINING AND EDUCATION

On-the-Job Vocational Training (Yu. Bogdanov, et al.; SOTSIALISTICHESKIY TRUD, No 4, 1985).....	44
Problems, Trends in Technical Education of Researchers (O. M. Belotserkovskiy; VESTNIK VYSSHEY SHKOLY, No 5, May 85).....	52

INTERNATIONAL SCIENCE AND TECHNOLOGY RELATIONS

CEMA Cooperation in Development of Science, Technology (Stanislav Yemelyanov; EKONOMICHESKOYE SOTRUDNICHESTVO STRAN-CHLENOV SEV, No 4, Apr 85).....	63
---	----

SOCIO-POLITICAL FACTORS

Burlatskiy on Technological Revolution (Fedor Burlatskiy; LITERATURNAYA GAZETA, 19 Jun 85).....	76
--	----

GENERAL

Resolution on Improving USSR Scientists' Pay (PRAVDA 16 Jul 85).....	86
USSR Academician Views Economic Experiment (Pavel Grigoryevich Bunich; KOMSOMOLSKAYA PRAVDA, 9 Jul 85).....	90
PRAVDA Discusses Ways To Speed Economic Progress (L. Yevstigneyeva; PRAVDA, 28 Jun 85).....	95
Briefs Commission Holds Meeting	101

22 November 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Discipline Problems at Uzbek Institute of Physiology (A. Tankhelson; PRAVDA VOSTOKA, 10 Apr 85).....	1
Latvian Academy President on Republic Scientific Advances (B. Purin; SOVETSKAYA LATVIYA, 20 Apr 85).....	5
Stimulation of Interest in Scientific, Technical Progress (A. Dolgova; SOTSIALISTICHESKIY TRUD, No 2, Feb 85).....	10
Problems of Material, Technical Supply of Science (F. Kontorovich; MATERIALNO-TEKHNICHESKOYE SNABZHENIYE, No 5, May 85).....	20
Reorganization at Novokramatorsk Machine Building Association (A. S. Gavrishko; MASHINOSTROITEL, No 2, Feb 85).....	29

TRAINING AND EDUCATION

Computer Course for Secondary Schools (V. Monakhov Interview; MOLODEZH ESTONII, 25 Apr 85)....	36
Improvement of Skills of Power Machine Building Engineers (V. P. Slobodyanyuk, M. Ye. Kats; MASHINOSTROITEL, No 11, Nov 84).....	38

AUTOMATION AND INFORMATION POLICY

Problems, Errors in Collections of State Standards (A. Kovalenko; IZVESTIYA, 2 Apr 85).....	41
--	----

Publication of Materials for Secondary School Computer Course (D. Zuyev; KNIZHNOYE OBOZRENIYE, 5 Apr 85).....	43
Problems of Supply of Information to Scientists (I. Dreytser; SOTSIALISTICHESKIY TRUD, No 2, Feb 85).....	47
Automated Management System of Computer Center (V. N. Podolskiy, N. G. Antonov; MEKHAIZATSIIYA I AVTOMATIZATSIIYA PROIZVODSTVA, No 12, Dec 84).....	55
INTERNATIONAL S&T RELATIONS	
International Cooperation in Powder Metallurgy (SELSKAYA GAZETA, 26 Mar 85).....	60
CONFERENCES AND EXPOSITIONS	
Annual General Assembly of Latvian SSR Academy of Sciences (SOVETSKAYA LATVIYA, 22 Mar 85).....	62
Cooperation of Baltic Academies of Sciences, Leningrad Center (SOVETSKAYA ESTONIYA, 9 Apr 85).....	68
Annual General Assembly of Armenian SSR Academy of Sciences (KOMMUNIST, 12 May 85).....	69
Annual General Assembly of Moldavian SSR Academy of Sciences (V. Malikova, R. Khomenko; SOVETSKAYA MOLDAVIYA, 12 Apr 85).....	72
Symposium on Luminescent Detectors, Ionizing Radiation Converters (G. Khyutt; SOVETSKAYA ESTONIYA, 25 Apr 85).....	79
Briefs Scientific Progress, Labor Productivity	81
GENERAL	
Book on Work Efficiency of Research Institutes, Design Bureaus (A. K. Kazantsev; MASHINOSTROITEL, No 2, Feb 85).....	82

9 December 1985

USSR REPORT SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Decree on Production Specialization Based on Standardization (STANDARTY I KACHESTVO, No 4, Apr 85).....	1
Effectiveness of Measures on Scientific, Technical Progress (D.S. Lvov, G.I. Mikerin; STANDARTY I KACHESTVO, No 4, Apr 85).....	9
Estonian Participation in National Scientific Programs (A. Keyerna, G. Varlamova; KOMMUNIST ESTONII, No 4, Apr 85).	25
Research, Development at RSFSR Higher Educational Institutions (Ivan Filippovich Obrastsov Interview; IZVESTIYA, 28 Jun 85).....	32
Improved System of Bonuses for New Equipment Urged (V. Rakoti; SOTSIALISTICHESKIY TRUD, No 4, Apr 85).....	38
Resource Conservation Through Advanced Technologies (V. Kudinov; IZVESTIYA, 29 Jun 85).....	49
Energy-Biology Complexes Based on Power Plant Waste Water (B. Konovalov; IZVESTIYA, 15 Jun 85).....	54
Problems in Development of Plant Sector of Science (B. Belenkiy, L. Popelkova; SOVETSKAYA MOLDAVIYA, 26 Jun 85).....	60
People's Control Checks Reveal Leningrad Oblast Shortcomings (V. Meleshchenko; SOVETSKAYA ROSSIYA, 10 Jul 85).....	66

Legal Aspects of Development of New Equipment (A. Podoprigora; KHOZYAYSTVO I PRAVO, No 5, May 85).....	69
Economic Research Planning at Republic Academic Institutes (T. Reshetova; EKONOMIKA SOVETSKOY UKRAINY, No 5, May 85).....	75
Ukrainian Experience in Integrating Science With Production (V. Marushchak; EKONOMIKA SOVETSKOY UKRAINY, No 5, May 85)..	84
Problems of Integration at Scientific Production Associations (Viktor Petrovich Belyakov Interview; SOVETSKAYA ROSSIYA, 23 Jun 85).....	95
Book Views Problems of Regional Management of S&T Progress (T. A. Notkina; OBSHCHESTVENNIYE NAUKI V SSSR, SERIYA 2: EKONOMIKA, No 3, May-Jun 85).....	100
Organizational, Legal Bases of Introducing S&T Achievements (Vitaliy Petrovich Rassokhin, V.A. Rassudovskiy; MEKHANIZM VNEDRENIYA DOSTIZHENIY NAUKI. POLITIKA, UPRAVLENIYE, PRAVO, 1985).....	104

BUDGET AND FINANCE

Evaluation, Remuneration of Work of Scientific Organizations (L. Lyakh; EKONOMIKA SOVETSKOY UKRAINY, No 5, May 85).....	111
--	-----

FACILITIES AND MANPOWER

Academician Discusses New Generation of Scientists (Yevgeniy Pavlovich Velikhov Interview; IZVESTIYA, 5 Aug 85).....	123
Ukrainian Party Official on Academic Scientific Centers (F. Rudich; PRAVDA, 2 Jul 85).....	130
Specialized Research Institutes at Universities Urged (S. Ambartsumyan; IZVESTIYA, 13 Jul 85).....	134
Laboratory for New Equipment at Zaporozhye Aluminum Plant (A. Tkachenko; PRAVDA UKRAINY, 5 Jul 85).....	137
Lithuanian Academy of Sciences Elects New Members (SOVETSKAYA LITVA, 29 Jun 85).....	139
Estonian Investors, Efficiency Experts Get New Headquarters (SOVETSKAYA ESTONIYA, 26 Jun 85).....	141
Engineering Centers of Ukrainian Academy of Sciences (Aleksandr Nemov; SOVETSKAYA ROSSIYA, 12 Jul 85).....	142

Retooling, Renovation of Vilnius Plant of Plastic Items (V. Bernatonis; SOTSIALISTICHESKIY TRUD, No 4, Apr 85).....	152
TRAINING AND EDUCATION	
Improvement of Vocational Guidance, Collective Scientific Work (N. Kudryakov; KOMSOMOLSKAYA PRAVDA, 23 Jun 85).....	158
Computer Specialist Training at Novosibirsk Polytechnical School (V. Solodov; KOMSOMOLSKAYA PRAVDA, 10 Jul 85).....	161
AUTOMATION AND INFORMATION POLICY	
Development, Applications of Microelectronics (Yakov Andreyevich Fedotov; KRASNAYA ZVEZDA, 29 Jun 85)....	164
Development of Automation Equipment for Cotton Industry (Kh. Davydbayev; PRAVDA VOSTOKA, 29 Jun 85).....	168
PATENTS AND INVENTIONS	
Problems in Introducing Narva Inventions Outlined (A. Ratsevich; SOVETSKAYA ESTONIYA, 13 Jul 85).....	174
INDUSTRIAL AND MILITARY APPLICATIONS	
Developments of Physical Chemistry Institute for Industry (V. Spitsyn; PRAVDA, 20 Jul 85).....	178
SOCIO-POLITICAL FACTORS	
Coordinating Activity of Pervomayskiy Rayon Party Committee (A. A. Sanchukovskiy; NARODNOYE KHOZYAYSTVO BELORUSSII, No 5, May 85).....	182
CONFERENCES AND EXPOSITIONS	
Vilnius Conference on Probability Theory, Mathematical Statistics (V. Statulyavichyus Interview; SOVETSKAY LITVA, 23 Jun 85).	188
Exhibition of Ukrainian Scientific, Technical Achievements (O. Gusev; PRAVDA, 7 Jul 85).....	191
Kishinev Conference of Scientific Council for Adsorption (SOVETSKAYA MOLDAVIYA, 26 May 85).....	194
Yerevan Conference on Standardization in Machine Building (STANDARTY I KACHESTVO, No 4, Apr 85).....	195
Editorial Note	195
Mass, Large-Series Production, by S.V. Kreyter	195

General Machine Building Items, by V. Ya. Kremyanskiy	199
Technological Processes, Equipment, by L.I. Karpov	202

AWARDS AND PRIZES

Latvian Academy Prizes for Scientific Research (IZVESTIYA AKADEMII NAUK LATVIYSKOY SSR, No 5, May 85).....	209
---	-----

GENERAL

Academician Ovchinnikov on Gains, Problems of Applied Science (Yu. Ovchinnikov; SOVETSKAYA ROSSIYA, 29 Jun 85).....	214
Themes for Lectures, Reports on S&T Progress Listed (SOVETSKAYA ESTONIYA, 26 Jun 85).....	218
Collection of Documents on Scientific, Technical Societies (AKTIVU NAUCHNO-TEKHNICHESKIKH OBSHCHESTV: SPRAVOCHNOYE POSOBIYE, 1984).....	221

BIOGRAPHICAL INFORMATION

Aleksandr Stepanovich Vecher Obituary (SOVETSKAYA BELORUSSIYA, 7 May 85).....	234
--	-----

18 December 1985

USSR REPORT

SCIENCE AND TECHNOLOGY POLICY

CONTENTS

ORGANIZATION, PLANNING AND COORDINATION

Coordination of Acceleration of Scientific, Technical Progress (Moscow Domestic Service, 19 Jun 85).....	1
Problems, Goals of Uzbek Scientific, Technical Progress (V. Dubov; EKONOMIKA I ZHIZN, No 4, Apr 85).....	5
Isooptic R&D Dropped, Careers Damaged in Institute Dispute (I. Dementyeva; IZVESTIYA, 18 Aug 85).....	11
Book on Planning of Scientific, Technical Progress (OBSHCHESTVENNYYE NAUKI V SSSR, SERIYA 2: EKONOMIKA (REFERATIVNYY ZHURNAL), No 1, Jan-Feb 85).....	13
Book on Management of Production of New Equipment (OBSHCHESTVENNYYE NAUKI V SSSR, SERIYA 2: EKONOMIKA (REFERATIVNYY ZHURNAL), No 1, Jan-Feb 85).....	17
Academician on Structural Constraints on Scientific Progress (V. A. Legasov Interview; TRUD, 12 Sep 85).....	20
Economic Problems of Scientific-Technical Progress (EKONOMICHESKIYE PROBLEMY NAUCHNO-TEKHNICHESKOGO PROGRESSA, 1984).....	25

BUDGET AND FINANCE

Resource Utilization at Uzbek Scientific Institutions (T. Khankhodzhayev; EKONOMIKA I ZHIZN, No 4, Apr 85)....	55
---	----

FACILITIES AND MANPOWER

- Institute of Nuclear Power Engineering Created in Obninsk
(SOVETSKAYA ROSSIYA, 31 Aug 85)..... 60
- New General-Reanimatology Institute's R&D Role and Plans
(Vladimir Aleksandrovich Negovskiy Interview;
MEDITSINSKAYA GAZETA, 2 Aug 85)..... 61

TRAINING AND EDUCATION

- Problems, Trends in Technical Education of Researchers
(O.M. Belotserkovskiy; VESTNIK VYSSHEY SHKOLY, No 5,
May 85)..... 62
- Improvement of Skills of Specialists in New Fields
(M.K. Poltev, Ye. A. Kuzovchikova; VESTNIK VYSSHEY
SHKOLY, No 5, May 85)..... 73
- On-The-Job Vocational Training
(Yu. Bogdanov, V. Ryabukha, et al.; SOTSIALISTICHESKIY
TRUD, No 4, Apr 85)..... 79

AUTOMATION AND INFORMATION POLICY

- State System of Industrial Instruments, Automation Equipment
(V.P. Minayev, V.N. Semenov, et al.; STANDARTY I
KACHESTVO, No 1, Jan 85)..... 87
- Computer-Aided Designing, Engineering, Preparation of Production
(Yu. I. Topcheyev; VESTNIK VYSSHEY SHKOLY, No 5,
May 85)..... 94
- Problems of Automation in Kazakh Industry
(D. Mukanov; NARODNOYE KHOZYAYSTVO KAZAKHSTANA, No 4,
Apr 85)..... 99
- New Scientific-Technical Bulletin Published
(Moscow Television Service, 9 Jun 85)..... 107

PATENTS AND INVENTIONS

- Industrial Plant Problems Described
(M. Eelmae, M.K. Summa; TEHNIKA JA TOOTMINE, No 5,
May 85)..... 108

INTERNATIONAL S&T RELATIONS

- CEMA Cooperation in Development of Science, Technology
(Stanislav Yemelyanov; EKONOMICHESKOYE SOTRUDNICHESTVO
STRAN-CHLENOV SEV, No 4, Apr 85)..... 111

SOCIO-POLITICAL FACTORS

Burlatskiy on Technological Revolution (Fedor Burlatskiy; LITERATURNAYA GAZETA, 19 Jun 85).....	124
--	-----

AWARDS AND PRIZES

Prize Nomination for Photoelectron Spectroscopy Methods Endorsed (N. Zhavoronkov, B.Paton; PRAVDA, 25 Aug 85).....	134
I.R. Yukhnovskiy Award (PRAVDA UKRAINY, 1 Sep 85).....	135

BIOGRAPHICAL INFORMATION

Yu. V. D'Yachenko (Obituary).....	136
Briefs	
Academician Decorated	137
Obituary of B.L. Shaposhnik	137

CONFERENCES AND EXPOSITIONS

Briefs	
Pan-European Science Meeting	138